

HEMOFILTRATION SYSTEMS, METHODS AND DEVICES USED  
TO TREAT INFLAMMATORY MEDIATOR RELATED DISEASE

ABSTRACT OF THE DISCLOSURE

A hemofiltration system for a mammal is provided with a hemofilter and an adsorbent device. The hemofilter removes ultrafiltrate from a blood stream  
5 extracted from the mammal to create a filtered blood stream and an ultrafiltrate stream. The adsorbent device has one or more adsorbent materials and is used to adsorb inflammatory mediators from the ultrafiltrate stream received from the hemofilter removing inflammatory  
10 mediators that cause inflammatory mediator related disease, sepsis, and SIRS/MODS/MOSF to create a post adsorption ultrafiltrate stream. The post adsorption ultrafiltrate stream is selectively combined with the filtered blood stream and together with the filtered  
15 blood stream is returned to the mammal.